

Federal Advisory Committee (FAC) Membership Balance Plan

Please read the Federal Advisory Committee Membership Balance Plan Guidance prior to completing this form

(1) FEDERAL ADVISORY COMMITTEE NAME <i>State the legal name of the FAC</i>
World Radiocommunication Conference Advisory Committee (Committee)
(2) AUTHORITY <i>Identify the authority for establishing the FAC</i>
The Committee was established at the direction of the Chairman of the Federal Communications Commission (FCC) in accordance with the provisions of the Federal Advisory Committee Act (FACA), 5 U.S.C. App. 2
(3) MISSION/FUNCTION <i>Describe the mission/function of the FAC</i>
<p>All steps necessary to assemble information to provide advice, technical analyses, and specific recommended proposals on matters relating to World Radiocommunication Conferences, with particular emphasis on the following:</p> <p>WRC Agenda Item 1.1: to consider an allocation of the frequency band 50-54 MHz to the amateur service in Region 1, in accordance with Resolution 658 (WRC-15);</p> <p>WRC Agenda Item 1.2: to consider in-band power limits for earth stations operating in the mobile-satellite service, meteorological-satellite service and Earth exploration-satellite service in the frequency bands 401-403 MHz and 399.9-400.05 MHz, in accordance with Resolution 765 (WRC-15);</p> <p>WRC Agenda Item 1.3: to consider possible upgrading of the secondary allocation to the meteorological- satellite service (space-to-Earth) to primary status and a possible primary allocation to the Earth exploration-satellite service (space-to-Earth) in the frequency band 460-470 MHz, in accordance with Resolution 766 (WRC-15);</p> <p>WRC Agenda Item 1.4: to consider the results of studies in accordance with Resolution 557 (WRC-15), and review, and revise if necessary, the limitations mentioned in Annex 7 to Appendix 30 (Rev.WRC-12), while ensuring the protection of, and without imposing additional constraints on, assignments in the Plan and the List and the future development of the broadcasting-satellite service within the Plan, and existing and planned fixed-satellite service networks;</p> <p>WRC Agenda Item 1.5: to consider the use of the frequency bands 17.7-19.7 GHz (space-to-Earth) and 27.5-29.5 GHz (Earth-to-space) by earth stations in motion communicating with geostationary space stations in the fixed-satellite service and take appropriate action, in accordance with Resolution 158 (WRC-15);</p> <p>WRC Agenda Item 1.6: to consider the development of a regulatory framework for non-GSO FSS satellite systems that may operate in the frequency bands 37.5-39.5 GHz (space-to-Earth), 39.5-42.5</p>

GHz (space-to-Earth), 47.2-50.2 GHz (Earth-to-space) and 50.4-51.4 GHz (Earth-to-space), in accordance with Resolution 159 (WRC-15);

WRC Agenda Item 1.7: to study the spectrum needs for telemetry, tracking and command in the space operation service for non-GSO satellites with short duration missions, to assess the suitability of existing allocations to the space operation service and, if necessary, to consider new allocations, in accordance with Resolution 659 (WRC-15);

WRC Agenda Item 1.8: to consider possible regulatory actions to support Global Maritime Distress Safety Systems (GMDSS) modernization and to support the introduction of additional satellite systems into the GMDSS, in accordance with Resolution 359 (Rev.WRC-15);

WRC Agenda Item 1.9: to consider, based on the results of ITU-R studies:

WRC Agenda Item 1.9.1: regulatory actions within the frequency band 156-162.05 MHz for autonomous maritime radio devices to protect the GMDSS and automatic identifications system (AIS), in accordance with Resolution 362 (WRC-15);

WRC Agenda Item 1.9.2: modifications of the Radio Regulations, including new spectrum allocations to the maritime mobile-satellite service (Earth-to-space and space-to-Earth), preferably within the frequency bands 156.0125-157.4375 MHz and 160.6125-162.0375 MHz of Appendix 18, to enable a new VHF data exchange system (VDES) satellite component, while ensuring that this component will not degrade the current terrestrial VDES components, applications specific messages (ASM) and AIS operations and not impose any additional constraints on existing services in these and adjacent frequency bands as stated in recognizing d) and e) of Resolution 360 (Rev.WRC-15);

WRC Agenda Item 1.10: to consider spectrum needs and regulatory provisions for the introduction and use of the Global Aeronautical Distress and Safety System (GADSS), in accordance with Resolution 426 (WRC-15);

WRC Agenda Item 1.11: to take necessary actions, as appropriate, to facilitate global or regional harmonized frequency bands to support railway radiocommunication systems between train and trackside within existing mobile service allocations, in accordance with Resolution 236 (WRC-15);

WRC Agenda Item 1.12: to consider possible global or regional harmonized frequency bands, to the maximum extent possible, for the implementation of evolving Intelligent Transport Systems (ITS) under existing mobile-service allocations, in accordance with Resolution 237 (WRC-15);

WRC Agenda Item 1.13: to consider identification of frequency bands for the future development of International Mobile Telecommunications (IMT), including possible additional allocations to the mobile service on a primary basis, in accordance with Resolution 238 (WRC-15);

WRC Agenda Item 1.14: to consider, on the basis of ITU-R studies in accordance with Resolution 160 (WRC-15), appropriate regulatory actions for high-altitude platform stations (HAPS), within existing fixed-service allocations;

WRC Agenda Item 1.15: to consider identification of frequency bands for use by administrations for the land- mobile and fixed services applications operating in the frequency range 275-450 GHz, in accordance with Resolution 767 (WRC-15);

WRC Agenda Item 1.16: to consider issues related to wireless access systems, including radio local area networks (WAS/RLAN), in the frequency bands between 5 150 MHz and 5 925 MHz, and take the appropriate regulatory actions, including additional spectrum allocations to the mobile service, in accordance with Resolution 239 (WRC-15);

WRC Agenda Item 2: to examine the revised ITU-R Recommendations incorporated by reference in the Radio Regulations communicated by the Radiocommunication Assembly, in accordance with Resolution 28 (Rev.WRC-15), and to decide whether or not to update the corresponding references in the Radio Regulations, in accordance with the principles contained in Annex 1 to Resolution 27 (Rev.WRC-12);

WRC Agenda Item 3: to consider such consequential changes and amendments to the Radio Regulations as may be necessitated by the decisions of the conference;

WRC Agenda Item 4: in accordance with Resolution 95 (Rev.WRC-07), to review the resolutions and recommendations of previous conferences with a view to their possible revision, replacement or abrogation;

WRC Agenda Item 5: to review, and take appropriate action on, the Report from the Radiocommunication Assembly submitted in accordance with Nos. 135 and 136 of the Convention;

WRC Agenda Item 6: to identify those items requiring urgent action by the radiocommunication study groups in preparation for the next world radiocommunication conference;

WRC Agenda Item 7: to consider possible changes, and other options, in response to Resolution 86 (Rev. Marrakesh, 2002) of the Plenipotentiary Conference, an advance publication, coordination, notification and recording procedures for frequency assignments pertaining to satellite networks, in accordance with Resolution 86 (Rev.WRC-07), in order to facilitate rational, efficient and economical use of radio frequencies and any associated orbits, including the geostationary-satellite orbit;

WRC Agenda Item 8: to consider and take appropriate action on requests from administrations to delete their country footnotes or to have their country name deleted from footnotes, if no longer required, taking into account Resolution 26 (Rev.WRC-07);

WRC Agenda Item 9: to consider and approve the Report of the Director of the Radiocommunication Bureau, in accordance with Article 7 of the Convention:

WRC Agenda Item 9.1: on the activities of the Radiocommunication Sector since WRC-15;

WRC Agenda Item 9.1.1: Resolution 212 (Rev.WRC-15) Implementation of International Mobile Telecommunications in the frequency bands 1 885-2 025 MHz and 2 110 2 200 MHz

WRC Agenda Item 9.1.2: Resolution 761 (WRC-15) Compatibility of International Mobile Telecommunications and broadcasting-satellite service (sound) in the frequency band 1 452-1 492 MHz in Regions 1 and 3

WRC Agenda Item 9.1.3: Resolution 157 (WRC-15) Study of technical and operational issues and regulatory provisions for new non-geostationary-satellite orbit systems in the 3 700-4 200 MHz, 4 500-4 800 MHz, 5 925-6 425 MHz and 6 725-7 025 MHz frequency bands allocated to the fixed-satellite service

WRC Agenda Item 9.1.4: Resolution 763 (WRC-15) Stations on board sub-orbital vehicles

WRC Agenda Item 9.1.5: Resolution 764 (WRC-15) Consideration of the technical and regulatory impacts of referencing Recommendations ITU R M.1638 1 and ITU R M.1849 1 in Nos. 5.447F and 5.450A of the Radio Regulations

WRC Agenda Item 9.1.6: Issue 1 in the Annex to Resolution 958 (WRC-15) Studies concerning Wireless Power Transmission (WPT) for electric vehicles: a) to assess the impact of WPT for electric vehicles on radiocommunication services; b) to study suitable harmonized frequency ranges which would minimize the impact on radiocommunication services from WPT for electrical vehicles.

WRC Agenda Item 9.1.7: Issue 2 in the Annex to Resolution 958 (WRC-15) Studies to examine: a) whether there is a need for possible additional measures in order to limit uplink transmissions of terminals to those authorized terminals in accordance with No. 18.1; b) the possible methods that will assist administrations in managing the unauthorized operation of earth station terminals deployed within its territory, as a tool to guide their national spectrum management programme, in accordance with Resolution ITU R 64 (RA 15).

WRC Agenda Item 9.1.8: Issue 3 in the Annex to Resolution 958 (WRC-15) Studies on the technical and operational aspects of radio networks and systems, as well as spectrum needed, including possible harmonized use of spectrum to support the implementation of narrowband and

broadband machine-type communication infrastructures, in order to develop Recommendations, Reports and/or Handbooks, as appropriate, and to take appropriate actions within the ITU Radiocommunication Sector (ITU-R) scope of work.

WRC Agenda Item 9.1.9: Resolution 162 (WRC-15) Studies relating to spectrum needs and possible allocation of the frequency band 51.4-52.4 GHz to the fixed-satellite service (Earth-to-space)

WRC Agenda Item 9.2: on any difficulties or inconsistencies encountered in the application of the Radio Regulations ; and

WRC Agenda Item 9.3: on action in response to Resolution 80 (Rev.WRC-07);

WRC Agenda Item 10: to recommend to the Council items for inclusion in the agenda for the next WRC, and to give its views on the preliminary agenda for the subsequent conference and on possible agenda items for future conferences, in accordance with Article 7 of the Convention (see e.g., Resolution 810 (WRC-15)).

(4) POINTS OF VIEW

Based on understanding the purpose of the FAC,

(a) describe the process that will be used to ensure the committee is balanced, and identify the categories (e.g. individual expertise or represented interests) from which candidates will be considered;

(b) consider indentifying an anticipated relative distribution of candidates across the categories; and

(c) explain how a determination was made to appoint any individuals as Special Government Employees or Representative members

As explained in more detail under Block 6, the FCC will release a Public Notice to solicit candidates from interested parties and will encourage membership applications from many groups. It is anticipated that the Committee will be comprised of individuals from both the public and private sectors with specific interest, expertise or experience as it relates to the questions before the Committee, including wireless communications infrastructure and equipment, telecommunications, broadcasting, and other telecommunications services, consumer advocacy and underserved populations (e.g. persons living in rural areas and tribal communities).

Since the Committee's recommendations will affect international frequency spectrum, the FCC will strive to develop Committee membership that represents views across the industry. Additional membership considerations may include individuals who possess expertise valuable to the Committee's work, but who do not represent an organization, institution, or entity. Membership is not static, as we expect that the expertise or experience relevant to the mission and function of this Committee may change over time, depending on the work of the Committee. At all times when new expertise will be needed, membership may be adjusted to maintain balanced viewpoints.

The Committee structure will include Informal Working Groups (IWGs) on which subject matter experts or representatives from interested organizations including maritime, aeronautical, radar, terrestrial and mobile services will review and make recommendations regarding those WRC-19 agenda items affecting their industry segment.

After we review the applications for membership, we will appoint in a representative capacity those individuals who are intended to represent the views of their employers or the institutions or groups on which they serve. On the other hand, to the extent that the individual is appointed for the person's specific expertise and knowledge, rather than to represent the views of an employer or other entity, such an individual would be appointed as a Special Government Employee.

(5) OTHER BALANCE FACTORS

List any other factors your agency identifies as important in achieving a balanced FAC

Over the course of the preparatory cycle, technologies may develop in a way that would make it beneficial for additional interested parties to participate on the Committee. As a result, it is anticipated that membership on the Committee will not be static.

(6) CANDIDATE IDENTIFICATION PROCESS

Summarize the process intended to be used to identify candidates for the FAC, key resources expected to be tapped to identify candidates and the key persons (by position, not name) who will evaluate FAC balance. The summary should:

- (a) describe the process*
- (b) identify the agency key staff involved (by position, not name)*
- (c) briefly describe how FAC vacancies, if any, will be handled by the agency; and*
- (d) state the membership term limit of FAC members, if applicable*

The DFO will release a Public Notice soliciting new candidate names from other interested organizations, institutions, or other entities from both the public and private sectors that wish to be considered for membership on the Committee. The Public Notice will seek applicants with expertise or experience as it relates to questions before the Committee, including such matters as wireless communications infrastructure and equipment, telecommunications, broadcasting, and other radiocommunication services, consumer advocacy and underserved populations (e.g., persons living in rural areas and tribal communities).

The DFO will evaluate the applications for relevant technical expertise/experience and develop a candidate list that it considers to be balanced. That list may be evaluated for balance as well by the Office of General Counsel (OGC). The potential members will be contacted for interest and availability. Organizations, institutions or other entities whose expertise or experience would be beneficial to the Committee, but who have not yet nominated a specific individual to represent the interests of their organization will be asked to do so. Each such individual so nominated will be vetted by the ethics group within OGC prior to appointment. Any individual to be appointed as an SGE would also be subject to review by the OGC ethics team (for compliance with laws on financial conflicts of interest and other FACA requirements).

Formal letters of invitation to serve on the Committee will be extended by the Chairman. If any vacancies occur during the life of the Committee, the DFO will review the initial candidate list, identify the best qualified candidates to replace the lost point of view, and initiate the review process as described above. In addition, as technologies develop over the course of the preparatory cycle, additional parties will be welcome to submit information regarding their specific interests or experience as it relates to the questions before the Committee, and will be considered for Committee membership using the review process described above.

The FCC will strive to fill vacancies no later than three months after the position is vacated. Committee members will be appointed for a 2-year term (or such period not to exceed the period for which the Committee is chartered) and those appointed to fill vacancies would serve for the remainder of the term vacated by the original member.

(7) SUBCOMMITTEE BALANCE

Subcommittees subject to FACA should either state that the process for determining FAC member balance on subcommittees is the same as the process for the parent FAC, or describe how it is different*

**This is relevant to those agencies that require their subcommittees to follow all FACA requirements.*

The process that will be used to determine advisory committee member balance for the parent Federal advisory committee will also be used for any IWGs that are created.

(8) OTHER

Provide any additional information that supports the balance of the FAC

Not applicable

(9) DATE PREPARED/UPDATED

Insert the actual date the Membership Balance Plan was initially prepared, along with the date(s) the Plan is updated

March, 23 2016